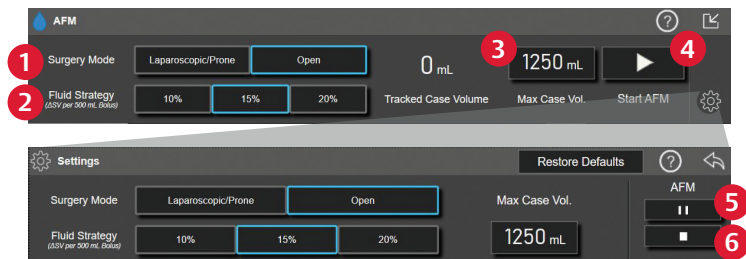


Acumen Assisted Fluid Management (AFM) software on HemoSphere advanced monitor

Setup guide

Acumen AFM software setup

1. To access AFM software, you will need to utilize an Acumen IQ sensor
2. Enter Acumen AFM software mode by selecting the **Assisted Fluid Management icon** on the navigation bar
3. Set the desired AFM settings for **surgery mode 1** (laparoscopic/prone or open) and **fluid strategy 2** (10%, 15%, or 20%)



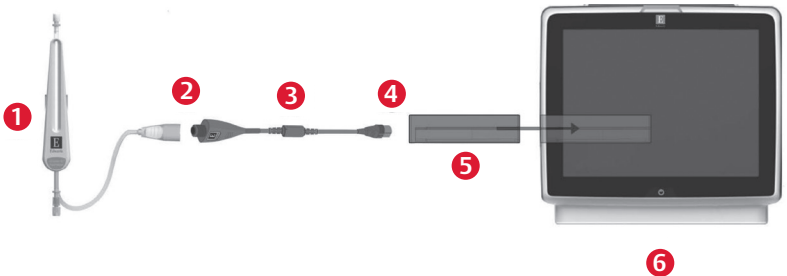
4. Enter the **maximum case volume 3**, the target fluid volume planned to be given to patient during the entire case; the maximum case volume does not limit functionality of the AFM feature or influence AFM fluid suggestions
5. Upon entering desired settings, touch **Start AFM 4** to initiate AFM software session

Acumen AFM Fluid Meter setup

- Insert the HemoSphere technology module into the monitor. The module will click when properly engaged
- Ensure proper orientation, then plug the Acumen AFM cable into the technology module
- Connect the Acumen IQ fluid meter to the end of the Acumen AFM cable indicated by ②
- When used with Acumen AFM cable, connect the Edwards Technology Module connector of the Acumen AFM cable to the backside of a compatible HemoSphere Advanced Monitor at the end indicated by ④ in Figure 1

Figure 1: Acumen IQ fluid meter and Acumen AFM cable connection overview

- | | |
|---|--|
| 1. Acumen IQ fluid meter | 4. Acumen AFM cable to HemoSphere technology module connection |
| 2. Acumen IQ fluid meter to Acumen AFM cable connection | 5. HemoSphere technology module |
| 3. Acumen AFM cable | 6. HemoSphere advanced monitor |

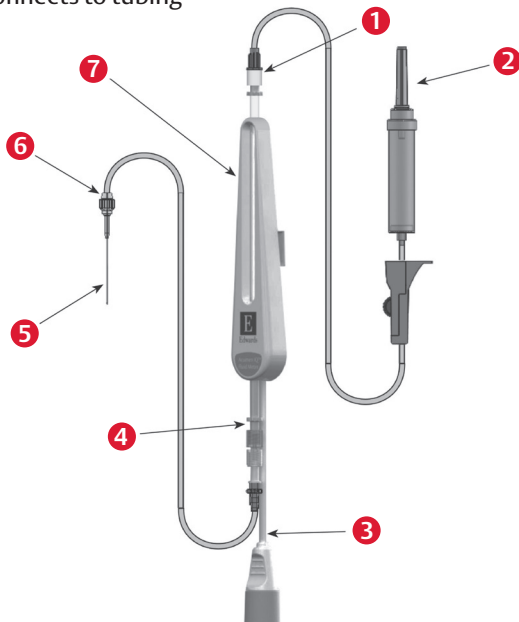


- Place Acumen IQ fluid meter in line with the intravenous set (see Figure 2 on next page) ensuring connections are secure but not overtightened
 - **Precaution: The Acumen IQ fluid meter is not compatible with blood products.**
- Remove all air from the intravenous flush solution bag
 - **WARNING: If all air is not removed from the intravenous flush solution bag, air may be forced into the patient's vascular system when the solution is exhausted**
- Close the roller clamp on the intravenous set and connect the intravenous set to the intravenous flush bag. Hang the bag approximately 2 feet (60 cm) above the patient. This height will provide approximately 45 mmHg of pressure to prime the setup
- Fill the drip chamber halfway with flush solution by squeezing the drip chamber. Open roller clamp
- Prime system using gravity only to decrease fluid turbulence and mitigation of bubbles
- Mount the Acumen IQ fluid meter on an IV pole in a vertical position using the appropriate clamp and holder. Slide into place in holder
- Connect the extension tubing to venous catheter per manufacturer instructions.
- Flush system per hospital policy

Figure 2: The Acumen IQ fluid meter connected to an IV line and tubing/venous catheter

Tubing attachments proximal and distal to the fluid meter can be configured per hospital policy.

1. Connects to IV line
2. To IV bag
3. Connects to AFM cable
4. Connects to tubing
5. To patient
6. Venous catheter
7. Acumen IQ fluid meter



CAUTION: Federal (United States) law restricts this device to sale by or on the order of a physician. See instructions for use for full prescribing information, including indications, contraindications, warnings, precautions, and adverse events.

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Edwards Lifesciences • One Edwards Way, Irvine CA 92614 USA • edwards.com

